

CLAIMS

- 1 1. A battery, comprising:
2 a can having a rectangular cross section, the can having a closed end and an open end;
3 a cathode in the can;
4 an anode in the can;
5 a separator between the cathode and the anode; and
6 a seal assembly attached to the open end of the can.
- 1 2. The battery of claim 1, wherein the can comprises an air access opening.
- 1 3. The battery of claim 1, wherein the cathode comprises manganese oxide.
- 1 4. The battery of claim 1, wherein the cathode has a rectangular cross section.
- 1 5. The battery of claim 1, wherein the anode comprises zinc.
- 1 6. The battery of claim 1, wherein the seal assembly comprises a seal, an end
2 cap, and a current collector attached to the end cap.
- 1 7. The battery of claim 1, wherein the battery is a metal-air battery.
- 1 8. The battery of claim 1, further comprising a conductive hot melt material
2 between the cathode and the can.
- 1 9. The battery of claim 1, further comprising a non-conductive melt between the
2 cathode and the seal assembly.
- 1 10. The battery of claim 1, further comprising a barrier layer between the cathode
2 and the can.
- 1 11. The battery of claim 10, wherein the barrier layer comprises
2 polytetrafluoroethylene.

1 12. The battery of claim 1, wherein the cathode and the can define an air plenum
2 therebetween.

1 13. The battery of claim 1, wherein the can has a square cross section.

1 14. A method of making a metal-air battery, the method comprising:
2 placing a cathode tube in a can having a rectangular cross section and an air access
3 opening;
4 placing an anode in the can;
5 placing a seal assembly in the can; and
6 sealing a portion of the can over the seal assembly.

1 15. The method of claim 14, further comprising placing a conductive melt in the
2 can.

1 16. The method of claim 14, further comprising placing a barrier layer around the
2 cathode tube.

1 17. The method of claim 14, further comprising placing a separator between the
2 cathode and the anode.

1 18. The method of claim 14, further comprising placing a non-conductive melt
2 between the cathode and the seal assembly.

1 19. The method of claim 14, further comprising connecting the cathode tube to
2 the can with a tab.

1 20. The method of claim 14, wherein sealing a portion of the can comprises
2 crimping the can over the seal assembly.

1 21. A battery, comprising:
2 a can having a triangular cross section, the can having a closed end and an open end;
3 a cathode in the can;

an anode in the can;

a separator between the cathode and the anode; and

a seal assembly attached to the open end of the can.

22. The battery of claim 21, wherein the can comprises an air access opening.

23. The battery of claim 21, wherein the cathode comprises manganese oxide.

24. The battery of claim 21, wherein the cathode has a triangular cross section.

25. The battery of claim 21, wherein the battery is a metal-air battery.

26. A method of making a metal-air battery, the method comprising:
placing a cathode tube in a can having a triangular cross section and an air access opening;
placing an anode in the can;
placing a seal assembly in the can; and
sealing a portion of the can over the seal assembly.